

Subject: Cooling Meeting Tomorrow Canceled

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Hi All,

Due to pressing (no pun intended) matters on the composites end of things, I am canceling the meeting tomorrow. Here is a brief update and summary of minutes from last week's meeting. I will be gone the end of this week (thursday and friday) and won't be back until close to 2 pm on tuesday, so the meeting for next week will be moved later in the week (to be announced on tuesday). Anyway, here's a short summary of where we stand:

1. Fred, the shops, and myself have been unable to find 1060 or 3003 tubing in sizes to make the weld extension pieces. I have ordered 1/4" tubing from K&S with a 40 mil wall. This tubing, if machined, leaves the ID a little large as compared to the real tubing size, so Fred will try swaging the tube ends smaller, such that when they are machined, the proper wall thickness is obtained. I have not yet heard when this material will arrive (sometime within a week, hopefully).

2. Fred has found a plating shop that can electroplate ~1/2 mil of indium on copper foil. Tom W. has instructed Pat to cease his vapor deposition attempts in lieu of this potential new source. We should have samples made from the new vendor as soon as possible.

3. We have all capillary tubing sizes in hand (1/16" and 3/64") and the 1/16" swage locks seem to work fine on the aluminum. We are focusing on the 1/16" size as the most likely prospect so we will start doing some pressure and bend testing soon. Samples of the 1/16" have already been sent to EB for welding (4 foot capillaries). I did not send any 3/64" tubing, and we don't have any fittings currently drilled for that size, although we could make some from the "blank fittings" that we had made before.

4. As just mentioned, EB has received some new samples for welding from us. I sent the exhaust size tubing (4 mm ID) in 6' lengths, the capillary in 4' lengths, and the u-tubes. We should end up with 4 4 mm, 4 capillary, and 3 u-tubes of each fitting type. I have not heard when the parts should be completed yet.

5. Jon W. and Tom J. are on track to have carriers and strain-relief-glued sector tubes ready for welding by the beginning of March. I plan on taking the first sector tubes (in carriers) to EB on Monday, March 11th (means being ready on Friday the 8th).

6. As soon as we have the 1/4" weld extension material, I am going to send samples of all of our tubing types to Fti Anamet for compositional analysis.

As I mentioned earlier, we will have a meeting next week sometime, probably thursday afternoon. I will send out more info next tuesday, the 19th. Thanks all,

Neal